

Pre-lab ASTR 1020

Title: Eclipsing and Spectroscopic Binary Stars

1. In a typical eclipsing binary star system there are two eclipses, a deep primary eclipse and shallow secondary eclipse. The deeper eclipse occurs when

- a) the brighter star eclipses the fainter star.
- b) the fainter star eclipse the brighter star.
- c) the cooler sat eclipses the hotter star.
- d) the hotter star eclipses the cooler star.

2. The velocity of a star toward or away from the observer is measured using

- a) parallax.
- b) Doppler shift of spectral lines.
- c) changes in the star's brightness.
- d) changes in the star's color.